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Date of Deposit 12/14/01

Our File No. 9281-4209
Client Reference No. N US00114

PATENT APPLICATION TRANSMITTAL LETTER

To the Commissioner for Patents:

Transmitted herewith for filing is the patent application of Naoya Hasegawa, Eiji Umetsu, Masamichi Saito, Kenichi Tanaka, and Yosuke Ide
for Magnetic Sensing Element with Improved Sensitivity and Method for Making the Same.

Enclosed are:

- Preliminary Amendment with attached Appendix A
- 184 pages of application (including title page and Abstract), 32 sheets of formal drawings and the following Appendices: N/A
- Declaration and Power of Attorney for Patent Application
- Assignment transmittal letter and Assignment of the invention to: Alps Electric Co., Ltd.
- Submission of Certified Copy of Priority Document and certified copy of Japanese Application Nos. 2000-390815, 2000-390849, 2001-125605, and 2001-125631
- Information Disclosure Statement, PTO-1449, and references A1-A2

Claims as Filed	Col. 1	Col. 2
For	No. Filed	No. Extra
Basic Fee		
Total Claims	46-20	26
Indep. Claims	3-3	0
Multiple Dependent Claims Present		

*If the difference in col. 1 is less than zero, enter "0" in col. 2.

Small Entity	
Rate	Fee
	\$ 370
x\$9=	\$
x\$42=	\$
+\$140=	\$
Total	\$

Other Than Small Entity	
Rate	Fee
	\$ 740
x\$18=	\$468
x\$84=	\$0
+\$280=	\$0
Total	\$1,208

- Please charge my Deposit Account No. 23-1925 in the amount of \$ _____. A duplicate copy of this sheet is enclosed.
- A check in the amount of \$1,208 to cover the filing fee is enclosed.
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 - Any additional filing fees required under 37 CFR § 1.16.
 - Any patent application processing fees under 37 CFR § 1.17.
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 - Any filing fees under 37 CFR § 1.16 for presentation of extra claims.
 - Any patent application processing fees under 37 CFR § 1.17.
 - The issue fee set in 37 CFR § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR § 1.311(b).

12/14/01

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Registration No. 32,305



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PATENT TRADEMARK OFFICE

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
APPLICATION FOR UNITED STATES LETTERS PATENT

INVENTORS: Naoya Hasegawa
Eiji Umetsu
Masamichi Saito
Kenichi Tanaka
Yosuke Ide

TITLE: Magnetic Sensing Element with
Improved Sensitivity and Method for
Making the Same

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